

What is claimed is:

1. A method of making a lyophilizate of a peptide which contains 3-15 amino acids, said method comprising dissolving the peptide in acetic acid to form a solution containing 100 5 - 10,000 parts by weight of acetic acid for each part of peptide, transferring the solution to water, and lyophilizing the resulting solution.
2. A method as set forth in claim 1 in which at least one bulking agent is dissolved in the acetic acid with the 10 peptide.
3. A method as set forth in claim 2 in which the bulking agent is mannitol.
4. A method as set forth in claim 1 in which the peptide is cetrorelix.
- 15 5. A pharmaceutical composition containing a peptide produced by the method of any one of claims 1-4.
6. A method of treating female infertility which comprises administering an effective amount of the pharmaceutical composition of claim 5.
- 20 7. A method of providing male gonad protection which comprises administering to a male an effective amount of the pharmaceutical composition of claim 5.

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